

**HUNTERS POINT NAVAL SHIPYARD
BASE REALIGNMENT AND CLOSURE CLEANUP TEAM
MEETING NOTES
August 1 and 2, 2019**

These notes summarize the Navy Base Realignment and Closure (BRAC) Cleanup Team (BCT) meeting for Hunters Point Naval Shipyard (HPNS) located in San Francisco, California. The two-day meeting was held on August 1 and 2, 2019 at the Navy BRAC offices in San Diego, California.

I. Introductions and Agenda Review

Mr. Derek Robinson (Navy) conducted introductions and reviewed the action items from the July 11, 2019 BCT meeting.

II. Navy Business/Action Items (Derek Robinson, Navy)

The action items from the July 11, 2019 BCT meeting were completed, with the exception of the action item regarding Navy legal contacting the BCT legal teams to discuss path forward regarding Parcel D-1.

III. Miscellaneous Topics/Updates (Derek Robinson, Navy)

Ms. Amy Brownell (City of San Francisco) asked that the agencies and Navy provide their approval letters for the risk management plan submitted by the City of San Francisco.

Ms. Yolanda Sanchez (U.S. Environmental Protection Agency [EPA]) asked about public display signs with respect to Parcel F. Mr. Robinson (Navy) asked what the agency expectations were for Parcel F signage. The EPA would like to see signage in the water that leads from the San Francisco Bay into the Navy owned portion of the Bay near Parcel E-2. Ms. Judy Huang (EPA) asks that the Navy put up sign(s) noting that they are entering Navy property and identifying the public of potential risk. The EPA would like signs along the shoreline of Candlestick Point park to inform the public that everything beyond the shoreline is part of Navy's property. The agencies would like the sign to note that the property is undergoing environmental remediation.

IV. Document Tracking/Upcoming Fieldwork (Paul Stoick, Navy)

Mr. Paul Stoick (Navy) noted that they have requested several document extensions over the last month. The Parcel E/E-2 storm drain, and sewer work was extended out six months, hence, it was removed from the document tracking matrix, it will be added back in the document tracking sheet at a later date.

Ms. Nina Bacey (Department of Toxic Substances Control [DTSC]) asked if the Navy was going to finalize the findings reports associated with the radiological retesting. Mr. Robinson responded that they are unsure if the reports will be finalized. However, the Navy will look into it and report back to the BCT. The schedule for Parcel E may be impacted by radiological comments received from EPA. The Navy will set up a call with the EPA to discuss their radiological comments submitted for Parcel E.

The background sampling for radiological retesting is upcoming. Tetra Tech has filed a motion to stop the work so that they can collect split samples from the same boreholes. Based on information received during the meeting, Tetra Tech would be allowed onsite but would not be collecting samples.

V. Parcel F Project Update (Sharon Ohannessian, Navy)

The final Record of Decision (ROD) for Parcel F is scheduled for August 2019 with the draft remedial design documents to follow two-months after the ROD is signed. After the ROD is signed, a draft Pre-remedial Action Sediment Characterization Work Plan for Area III will be issued for regulatory review and comment.

Milestones from 2019 included finalizing the sediment investigation beneath former Piers on Parcel B and C and the bathymetric survey. The contractor for the Area III remedial action has been chosen and the work has been awarded.

Challenges going forward include the timing of the Yosemite Slough project in South Basin as it relates to sediment cleanup efforts at HPNS and gaining a consensus on ambient polychlorinated biphenyls (PCBs) concentrations in sediment.

VI. Petroleum Project Updates (Sharon Ohannessian, Navy)

Ms. Ohannessian (Navy) noted program activities have been placed on hold as a result of quality control issues with contractor field staff. A new program contract will be awarded in fiscal year 2020. Remaining fieldwork on the contract includes groundwater characterization and contaminant delineation at one site in both Parcels B-2 and C and twelve sites in Parcel E. One year of groundwater monitoring is ongoing at six sites and additional excavation activities are planned at two sites in Parcel C and numerous sites in Parcel E.

Milestones include closure of one underground storage tank in Parcel C and six former aboveground storage tanks in Parcel E. Draft site closure reports have been completed at six sites.

VII. Parcel B-1 (Sharon Ohannessian, Navy)

Ms. Ohannessian (Navy) noted that the Navy restarted the soil-vapor extraction (SVE) system within IR-10 in February 2018 and operated it until May 2019. Results of soil vapor samples collected during the 15-month operating period indicate a significant reduction in average trichlorethylene (TCE) concentrations when compared to baseline concentrations. The system was monitored during a series of rebound monitoring events in July-August 2019. The Navy will submit a SVE System Operation and Maintenance Summary Report to the BCT and will continue operating until volatile organic compounds (VOC) concentrations are stable and VOC mass removal is asymptotic.

VIII. Parcel C (Sharon Ohannessian, Navy)

Ms. Ohannessian (Navy) noted that post treatment performance groundwater monitoring events that are planned for RU-C1 and RU-C2 are scheduled to be conducted in September and December 2019. The submittal of the Final Phase I Remedial Action Completion Report (RACR) is planned for July 2020. A draft Phase II RACR for RU-C2, C4, and C5 will be submitted in September 2019. The Navy is currently evaluating dense non-aqueous phase liquid (DNAPL) discovered underneath former paint booths in Building 253. The Navy is in the process of issuing a contract for completion of the Phase III remedial action and other remaining remediation close-out activities.

Milestones included completion of the SVE system operation and maintenance summary report and the Phase I remedial action work plan for RU-C1, C2, C4, and C5.

Challenges include completion or remediation of recalcitrant VOC while meeting the transfer schedule and remediating DNAPL under Building 253.

IX. Parcel F Piers/Sub-pens Update (Sean-Ryan McCray, Navy)

Mr. Sean-Ryan McCray (Navy) noted that fieldwork associated with Parcel F Piers/Sub-pens will begin in August and be completed by October 2019. A final scoping survey report is expected in July 2020. These surveys do not include remediation.

X. Parcel B-2 (Liz Roddy and Samantha Knolle, Navy)

Ms. Samantha Knolle (Navy) noted that fieldwork at IR-26 began in September 2017 with soil and groundwater sampling. The Navy preformed in-situ stabilization injections in December 2017 and has performed four quarters of groundwater sampling in order to gather data in support of this operation. The Navy has proposed additional monitoring to gather additional data to support the RACR. The data set will be evaluated following the sampling in spring 2020.

Challenges for the project include successfully lowering the mercury concentration levels and keeping them below the trigger levels.

XI. Community Outreach (Derek Robinson, Navy)

Mr. Derek Robinson (Navy) noted that the focus of the community involvement starts with the homeowners closest to HPNS, then the Bayview Hunters Point community, and finally the general public. The Navy has been finetuning their outreach methods since the completion of the 2014 Community Involvement Plan (CIP). The 2014 CIP was a flexible plan which tried to identify as many types of community outreach as possible. Over the years, the Navy has been able to identify the most effective types of outreach and these methods are evaluated every two years to make sure they are still effective. The evaluation of the community outreach methods is conducted every two years which includes a mailer sent out to approximately 15,000 Bayview Hunters Point houses plus conducting an electronic survey of approximately 2,000 people who are on the HPNS email outreach list. The survey results are compiled and tabulated and used to evaluate the outreach methods. The results are discussed during the BCT meeting typically

during the fall. The Navy will send the EPA a summary of the responses obtained from the 2018 community outreach evaluation survey.

Ms. Nina Bacey (DTSC) has been requested by Green Action to provide an update on the radiological retesting at their next meeting. At this time the DTSC is planning to attend the meeting and was wondering if the EPA would also attend. EPA requested a summary of the 2018 outreach activities and a copy of the radiological outreach plan.

XII. Parcel E-2 (Leslie Howard, Navy)

Ms. Howard (Navy) noted that Phase II of the work related to Parcel E-2 has been completed and they are just cleaning up the site in preparation for the commencement of work by the Phase III contractor. Phase III will begin in mid-July 2019. Ms. Howard noted that there will be Phase IV of the work that will be awarded later which includes completion of the wetland and optimization of the landfill gas treatment system. The Phase III will include the soil cover which includes vegetation. Borrow soil material is being obtained from two different locations and will be delivered by truck and barge. Currently, the Navy is planning on bringing in approximately 200,000 tons for the soil cover. Mr. Robinson (Navy) noted that Lennar currently has a huge stockpile of soil from Parcel A stored on Parcel D-2. The Navy will look into whether or not they can use some of this soil after sampling it. Ms. Nina Bacey (DTSC) noted that they would still need to sample the Parcel A soil according to the stringent import soil sampling and analysis criteria. The Navy asked about soil excavated in Parcel E and thought that these ideas should be discussed further.

The City requested that the Navy contact CDPH radiological health branch before completing the final cover, so they have an opportunity to survey it first. The Navy noted during a 2018 email exchange with Mr. Roger Lupo of CDPH, CDPH would not require surface surveys until the final cover was completed.

Ms. Howard noted that there is now a pedestrian gate at the Crisp Road exit which will be helpful to the employees who work on HPNS.

XIII. Parcel D-1 (Samantha Knolle and Leslie Howard, Navy)

Ms. Leslie Howard (Navy) noted that the construction of the Parcel D-1 cover is complete, and operation and maintenance inspections are ongoing. Parcel D-1 was supposed to have unrestricted radiological reuse per the ROD. The Navy is now proposing radiological restrictions for a portion of Parcel D-1 where fill from the San Francisco Bay was used to fill in the shoreline area. The Navy found some radiological commodities in this area and therefore would like restrictions on this area. Ms. Nina Bacey (DTSC) indicated that DTSC and EPA attorneys have discussed the issue and believe that a ROD amendment may be the only option.

XIV. Five-Year Review (Paul Stoick, Navy)

Mr. Paul Stoick (Navy) noted that the final Five-Year Review was issued to the agencies the first week of August. There will be technical memorandums to follow, as part of the Five-Year Review process. The first technical memorandum regarding radiological screening in soil will be

issued in August and have a 30-day review period. The building evaluation technical memorandum will follow.

Ms. Yolanda Sanchez (EPA) noted that the EPA guidance suggests the agencies provide an easily absorbed executive summary or a stand-alone summary. Mr. Robinson noted that he thinks the executive summary would meet that requirement. Ms. Sanchez requested that this information be included in a Navy quarterly update factsheet.

XV. Parcel C Building 253/211 (Sean-Ryan McCray, Navy)

Mr. Sean-Ryan McCray (Navy) noted that fieldwork at Parcel C Building 253/211 began in July 2019. The contractor is currently removing existing storm drain and sanitary sewer lines within 15-feet of the buildings. The contractor is also removing interior drain lines followed by radiological screening/survey of all materials before offsite disposal. The contractor will demobilize in November 2019. The Navy will report back to the BCT regarding whether or not the excavation activities will impact SVE operations inside Building 253. If the Navy finds radiological impacts during the survey of the building, the remediation will be included during the Parcel C radiological rework.

XVI. Basewide Groundwater (Leo Larson, Navy)

The next semi-annual groundwater sampling event is scheduled for September 2019. The Navy released a basewide groundwater monitoring optimization technical memorandum in July 2019 with an annual report to follow in March 2020.

XVII. Parcel E (Leo Larson and Liz Roddy, Navy)

Mr. Leo Larson (Navy) noted that the Navy is finalizing the work plan for Parcel E Phase's I and III and the fieldwork is set to begin in September 2019. A final RACR will follow in November 2022.

Challenges include coordinating fieldwork around other contractors, implementation of new soil-sorting technology, and moving forward before completion of the radiological background technical memorandum. Mr. Larson provided a pdf map of the various phases of fieldwork on the parcel. Per the agencies request, the Navy will send out the pdf map to the BCT.

Phase II which is managed by Ms. Liz Roddy (Navy) is also expected to begin in September/October 2019. Challenges include installation of the slurry wall and shoreline protection which requires tide cycle coordination, and coordination of multiple contractors working in Parcel E at the same time.

Phase IV will be awarded later and will include radiological scans of the parcel. The City of San Francisco and EPA requested that the Navy inform the public of this fieldwork during the next Navy community meeting, so the public is aware of what's coming up.

XIX. Radiological Retesting (Paul Stoick, Navy)

Mr. Paul Stoick (Navy) noted that Parcel B, Parcel D-2, UC-1, UC-2, UC-3 and Parcel C will be completing their own radiological work plan. Mr. Stoick presented the impacted buildings and

proposed trench investigations at each of the proposed rework parcels. The historical district has already been re-sampled and re-evaluated in Parcel C. Additionally, most of the piers are included in Parcel C so the shoreline of Parcel C will also be re-evaluated. The BCT asked about the shoreline for Parcel B. Mr. Stoick noted that he will look into whether or not the shoreline of Parcel B needs to be re-surveyed.

XX. Parcel G (Paul Stoick, Navy)

Mr. Paul Stoick (Navy) presented for the RPM Liz Roddy and noted that they will also be doing building surveys and re-surveying of the former storm sewer and sanitary sewer lines. Phase I will involve re-excavating the storm and sanitary sewer lines and Phase II will involve sampling along those former lines. Mr. Stoick noted that the background sampling is proceeding in August. The review and approval of the background soil report is a critical step in the process because all the fieldwork could be impacted if the schedule slips even slightly because the sanitary sewer trench investigation cannot be conducted during the rainy season.

XXI. Action Items/Future Meetings (Mr. Robinson, Navy)

- The Navy legal team will contact the BCT legal teams to discuss the path forward for Parcel D-1.
- The Navy will set up a call with EPA to discuss their radiological comments submitted for Parcel E.
- The Navy will send DTSC an email regarding whether or not the Findings Reports will be issued.
- The Navy will send EPA a summary of responses to the 2018 community outreach survey and community outreach activities.
- The Navy will evaluate the signage needed with regards to Parcel F.
- The Navy will look into borrow sources of soil for Parcel E-2 cover and results of the import testing results.
- The Navy will report back to the BCT regarding whether or not the excavation activities will impact SVE operations inside Building 253.
- The Navy will send the BCT their Parcel E fieldwork phase layered PDF map.
- The Navy will report back to the BCT regarding whether or not the shoreline in Parcel B will also need to be re-surveyed.

Next Meetings:

- The next BCT is scheduled for September 5, 2019 at the Navy trailer on HPNS.

Meeting participants:

Nina Bacey, DTSC

Liz Basinet, Noreas

Karla Brasaemle, TechLaw*

Amy Brownell, City of San Francisco

Tina Low, Water Board

Sean-Ryan McCray, Navy

Hamid Naimi, Navy*

Sharon Ohannessian, Navy*

Wayne Praskins, EPA

Jamie Egan, Jacobs

Leslie Howard, Navy

Judy Huang, EPA*

Erica Kalve, Water Board

Samantha Knolle, Navy

Leo Larson, Navy

Lily Lee, EPA

Christina Rain, LANGAN

Shane Reese, CDPH

Derek Robinson, Navy

Yolanda Sanchez, EPA

Paul Stoick, Navy

David Tanouye, Water Board

Jeff White, Water Board*

* Indicates attendee participated via telephone